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Jan 27, 1999

DERWENT-ACC-NO: 1999-098000

DERWENT-WEEK: 199952

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TITLE: Electrical power supply management method - forecasting spot price of electrical power and amount of power that may be traded at different delivery points, to provide probabilistic distributions for spot prices and trading

INVENTOR: TAKRITI, S; WU, L ; WU, L S

PATENT-ASSIGNEE:

ASSIGNEE

CODE

INT BUSINESS MACHINES CORP

IBMC

PRIORITY-DATA: 1997US-0897808 (July 21, 1997)

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PATENT-FAMILY:

	PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<input type="checkbox"/>	<u>EP 893775 A1</u>	January 27, 1999	E	019	G06F017/60
<input type="checkbox"/>	<u>US 5974403 A</u>	October 26, 1999		000	G06F017/60

DESIGNATED-STATES: AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
EP 893775A1	July 16, 1998	1998EP-0305683	
US 5974403A	July 21, 1997	1997US-0897808	

INT-CL (IPC): G06 F 17/60

ABSTRACTED-PUB-NO: EP 893775A

BASIC-ABSTRACT:

The method for managing power supply involves inputting the maximum generating capacities for each utility competing within the electricity supply market, and price functions at which a utility is willing to sell its power at a given time period. Also input are the weather forecast and transmission costs and transmission capacity in different power lines of the electrical system.

The method further involves forecasting the spot price of electrical power in the

deregulated market, and the amounts of power that may be traded. The forecasts are made at different delivery points, to provide probabilistic distributions for spot prices and trading.

USE - In electricity network for managing power supply by forecasting spot-market process of electrical power and trading transactions at different delivery points.

ADVANTAGE - Allows proper risk management of power supply within electricity network.

ABSTRACTED-PUB-NO:

US 5974403A

EQUIVALENT-ABSTRACTS:

The method for managing power supply involves inputting the maximum generating capacities for each utility competing within the electricity supply market, and price functions at which a utility is willing to sell its power at a given time period. Also input are the weather forecast and transmission costs and transmission capacity in different power lines of the electrical system.

The method further involves forecasting the spot price of electrical power in the deregulated market, and the amounts of power that may be traded. The forecasts are made at different delivery points, to provide probabilistic distributions for spot prices and trading.

USE - In electricity network for managing power supply by forecasting spot-market process of electrical power and trading transactions at different delivery points.

ADVANTAGE - Allows proper risk management of power supply within electricity network.

CHOSEN-DRAWING: Dwg.1/7

TITLE-TERMS: ELECTRIC POWER SUPPLY MANAGEMENT METHOD FORECAST SPOT PRICE ELECTRIC POWER AMOUNT POWER DELIVER POINT PROBABILITY DISTRIBUTE SPOT PRICE TRADE

DERWENT-CLASS: T01

EPI-CODES: T01-J05A1; T01-J08A;

SECONDARY-ACC-NO:

Non-CPI Secondary Accession Numbers: N1999-071367

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